

GEPON. C-DATA. OLT ONU.

OLT C-DATA:

:

```
OLT FD1104SN-R1 ONU;  
vlan ;  
Ge 1;  
vlan 5-, 11 , 20 – IPTV;  
IP 10.10.0.2/24;
```

OLT / = admin/admin.

OLT:

```
epon# system hostname EPON_OLT
```

VLAN, - "VLAN switch mode"

```
EPON_OLT# swmode vlan enable
```

VLAN':

```
EPON_OLT# swport gel  
EPON_OLT(GE-1)# description Trunk  
EPON_OLT(GE-1)# vlan add 5 tag  
EPON_OLT(GE-1)# vlan add 11 tag  
EPON_OLT(GE-1)# vlan add 20 tag
```

"" VLAN' EPON :

```
EPON_OLT# swport ge5 -> ge5-8 EPON  
EPON_OLT(GE-5)# description EPON1  
EPON_OLT(GE-5)# vlan add 11 tag  
EPON_OLT(GE-5)# vlan add 20 tag
```

IP :

```
EPON_OLT# system ipconfig inband 10.10.0.2 255.255.255.0 -> IP-  
EPON_OLT# system ipconfig gateway 10.10.0.1 ->  
EPON_OLT# system ipconfig mgmt-vlan 5 -> VLAN
```

ntp- :

```
EPON_OLT# system date ntp admin enable  
EPON_OLT# system date ntp server 10.0.0.3
```

:

```
EPON_OLT# igmp mode snooping  
EPON_OLT# multicast-vlan 20  
EPON_OLT# igmp router-port gel  
EPON_OLT# igmp match group ip 239.255.0.1 to-ip 239.255.0.254
```

DHCP snooping:

```
EPON_OLT# dhcp-snooping admin enable
EPON_OLT# dhcp-snooping vlan add 11
EPON_OLT# dhcp-snooping port gel trust
```

Option82 :

```
EPON_OLT# dhcp-snooping option82 admin enable
EPON_OLT# dhcp-snooping option82 policy replace
EPON_OLT# dhcp-snooping option82 remoteId onu-mac -> remoteID - ONU
```

Circuit ID .

ONU - "1".

:

1. download upload
2. loopback detection
3. multicast vlan
4. fec

```
EPON_OLT# system onu-template-config-user 1
EPON_OLT(onu-template-1)# config capacity 0 1 0 1 tem1 -> ONU, - 0 CATV ; 1 ETH ; 0 VoIP . -
EPON_OLT(onu-template-1)# config ctc fec enable -> FEC
EPON_OLT(onu-template-1)# config uni 1 ctc egress-policing 100000 -> UNI = 100 /
EPON_OLT(onu-template-1)# config uni 1 ctc igmp max-group 32 -> multicast
EPON_OLT(onu-template-1)# config uni 1 ctc igmp vlan-list 20 -> VLAN IPTV
EPON_OLT(onu-template-1)# config uni 1 ctc igmp tag-handle strip-vlan-tag -> , IPTV VLAN'
EPON_OLT(onu-template-1)# config uni 1 ctc ingress-policing 20000 -> UNI = 20 /
EPON_OLT(onu-template-1)# config uni 1 ctc vlan-mode tag 0x8100 0 11 -> 802.1q, VLAN'a
EPON_OLT(onu-template-1)# apply-to-all-onu -> , ONU
```

ONU OLT:

```
EPON_OLT(onu-template-1)# apply 2 1-64 -> ONU EPON
```

:

```
system save all
```

ONU :

```
EPON_OLT# show olt 1 all-onu-info
```

```
-----
Port  ONU  MAC                State      Software-Ver  Template
-----
1     1     f8-f0-82-15-a4-a4  online    V2.1.3       1
-----
Total: 1, online 1.
```